CS360 Introduction to Database Homework 1

조성원 (Sungwon Cho)

 $\textbf{Q-a.} \ \tau_{Name}(\pi_{StudentID,Name}(\sigma_{Department='ComputerScience'}(STUDENT)))$

Q-b. $\delta(\pi_{StudentID}(\sigma_{Classroom='E11,402'}(TAKES\bowtie COURSE)))$

 $\mathbf{Q-c.} \ \pi_{StudentID}(\sigma_{Semesters < 4}(STUDENT)) \cap \pi_{StudentID}(\sigma_{CourseNo='CS360'}(TAKES))$

Q-d. $\pi_{StudentID, Department}(STUDENT) - \pi_{StudentID, Department}(STUDENT \bowtie TAKES)$

 $\textbf{Q-e.}~~\sigma_{NumberTakes} \geq 3 \left(\gamma_{StudentID,COUNT(CourseNo) \rightarrow NumberTakes}(TAKES) \right)$